

ZYPEEK® 550GL30

PEEK-GF

Jilin Joinature Polymer Co.,Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	6	g/10min	ISO 1133
Temperature	380	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Stress at break	175	MPa	ISO 527
Strain at break	2.7	%	ISO 527
Flexural modulus, 23°C	11300	MPa	ISO 178
Charpy impact strength, +23°C	55	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	8	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	60	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	10	kJ/m ²	ISO 180/1A
Shore D hardness	88	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	343	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	143	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	328	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	18	E-6/K	ISO 11359-1/-2

Electrical properties	Value	Unit	Test Standard
ISO Data			
Dissipation factor, 1MHz	50	E-4	IEC 62631-2-1
Volume resistivity	1E14	Ohm*m	IEC 62631-3-1
Electric strength	25	kV/mm	IEC 60243-1
Comparative tracking index	150	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	0.3	%	Sim. to ISO 62
Density	1510	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding, Other Extrusion

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Features

Creep Resistance, Tribologic Grade

Applications

Electrical and Electronical

Regional Availability

Asia Pacific